ANNUAL REPORT

ON THE

SANITARY CONDITION

OF THE

Fylde Rural District

FOR THE YEAR 1911.

CHARLES COURT, M.B.,

MEDICAL OFFICER OF HEALTH.

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FOR THE YEAR 1911.

To the Chairman and Members of the Fylde Rural District Council.

GENTLEMEN,

I have great pleasure in submitting to you my TENTH ANNUAL REPORT on the Health, Mortality and General Sanitary Condition of your District, and in so doing request your attention to the statistics given hereafter, showing that the healthiness and low mortality of the district have been well maintained.

The area of the district remains as before, and is, according to the Census return, 38,768 acres.

The population, according to the Census taken last April, is 11,577, and as the estimate of the population for the year should be to the middle of the year, we may for all practical purposes accept the Census population as the nearest estimate. This population is exclusive of the inmates of the Fylde Union Workhouse, the number of whom being about 255.

The births in 1911 exceeded the deaths as follows :—

Fleetwood Sub-District	... ...	21
Blackpool ,,	.. ..	30
Kirkham ,,	... ...	77
Lytham ,,	... ...	0
Whole District ...	... ...	128

SECTION I.

VITAL STATISTICS.

Births.—The births registered in the district during the year 1911 numbered 299, but 31 of these occurred in the Union Workhouse situate in this district, and for the first time provision is made in the Local Government Board Statistical Tables for the exclusion of such births from the local statistics, that is, if the mother belonged to some other district and went into this institution to be confined.

Excluding these, the births belonging to the district amounted to 268, giving a birth-rate corresponding to 23·1 per 1,000 of the population as enumerated at the Census in April last, or 1·8 below last year's rate, but tbe latter average included the births in the Workhouse as did all previous rates. In 1910 the rate was 24·9, 24·3 in 1909, 25·2 in 1908, 27·0 in 1907, and the average of the last five years was 24·7. The illegitimate births, excluding those in the Workhouse, numbered 7 (males 3, females 4). Below are given the number of births in each of the four registration sub-districts, and also the sex distribution :—

Sub-District	Males	Females	Total
Fleetwood	17	20	37
Blackpool	37	36	73
Kirkham	84	72	156
Lytham	2	—	2
Whole District ...	140	128	268

Table I. appended gives further details as to the births and birth-rates for the years 1906-11.

MORTALITY.

Deaths.—The total number of deaths registered in the district during the year was 217, but of these 78 occurring in the Union Workhouse and 9 in the Infectious Diseases' Hospital, at Moss Side, were amongst persons not belonging to the rural district.

During the year a scheme has been initiated by the Registrar General by which, with the assistance of the County Medical Officer of Health, all deaths of persons who, having a "fixed or usual residence" in England and Wales, die in a district other than that to which they belonged, are allocated to their proper district, and 10 of such deaths have been forwarded to me as occurring during the year. The nett deaths of persons actually belonging to the Fylde Rural area was therefore 140, equal to a death-rate calculated on the Census population of 12·0 per 1,000, or 0·4 below the rate for last year. In 1909 the rate was 13·7, the same in 1908, 12·5 in 1907, 12·0 in 1906, the average for the five years being 12·8.

DEATHS IN PUBLIC INSTITUTIONS.

Union Workhouse.—Altogether 81 deaths occurred in this institution, 3 of persons belonging to Fylde Rural district and 78 persons from outside areas.

Joint Hospital, Moss Side.—Nine deaths took place here, all of persons removed from other districts. The following statement gives the districts to which the above persons belonged :—

Union Workhouse		Joint Hospital	
Blackpool (C.B.)	42	Fleetwood	2
Fleetwood	11	Kirkham	3
Kirkham	14	St. Annes-on-the-Sea	1
St. Annes-on-the-Sea	4	Thornton	2
Lytham	4	Bispham-with-Norbreck	1
Thornton	2		
Oldham (C.B.)	1		
	78		9

Tables I., III. and IV. give further details of the deaths and death-rates and analyse the causes of the death.

The distribution of the deaths in 1911 was as under :—

Sub-District	Males	Females	Total
Fleetwood	11 ...	5 ...	16
Blackpool	24 ...	19 ...	43
Kirkham	42 ...	37 ...	79
Lytham	2 ...	0 ...	2
Whole District ...	79	61	140

Below I give the number of deaths in each township with the death-rate per 1,000 of the population :—

Sub-District	Township	No. of Deaths	Rate per 1,000 per annum
Fleetwood	Carleton	6 ..	6·9
	Singleton	2 ..	5·6
	Elswick	5 ..	20·0
	Little Eccleston-with-Larbreck.. ..	3 ..	16·3
Blackpool	Marton	35 ..	19·8
	Hardhorn, Staining and Newton ..	8 ..	9·3
Kirkham ..	Freckleton	18 ..	13·7
	Medlar-with-Wesham	20 ..	9·2
	Bryning-with-Kellamergh	0 ..	0
	Clifton-with-Salwick	2 ..	4·7
	Greenhalgh-with-Thistleton	3 ..	7·9
	Newton-with-Scales	4 ..	15·5
	Ribby-with-Wrea	5 ..	8·3
	Treales, Roseacre and Wharles ..	5 ..	10·9
	Warton	10 ..	22·7
	Weeton-with-Preese	9 ..	24·3
	Westby-with-Plumptons	3 ..	6·2
Lytham ..	Little Marton	2 ..	5·4
	Whole District	140	12·0

Epidemic Death-rate.—The seven principal Epidemic Diseases contributed 17 deaths, against 12 last year, 17 in 1909 and 10 in 1908. Enteric Fever was responsible for 1 death, Measles 2, Whooping Cough 4, Diphtheria 1 and Diarrhœa 9. The Epidemic death-rate corresponded to 1·46

per 1,000, against 1·09 last year, 1·47 in 1909, 0·87 in 1908, 0·44 in 1907, 0·90 in 1906, and an average of 0·95 for the past five years.

Phthisis (Pulmonary Tuberculosis) for the third successive year caused 4 deaths, equal to a rate of 0·34 per 1,000 ; the average rate for the last five years was 0·41.

Respiratory Diseases (Bronchitis and Pneumonia) gave rise to 18 deaths, or a rate of 1·55 per 1,000 of the population. The rate for 1910 was 1·35, 1·64 in 1909, 2·72 in 1908, 1·95 in 1907, and 1·90 in 1906.

Infantile Mortality.—The number of deaths amongst infants under the age of one year was 22, or 4 fewer than last year; calculated on the corrected number of births the average was 82 per 1,000, as compared with 87 last year, 71 in 1909, 111 in 1908, 75 in 1907 and 117 in 1906. Table IV. appended shows that 6 of the deaths occurred amongst children under the age of one week, 6 deaths were due to Diarrhœa, and 6 to Atrophy, Debility and Marasmus ; 14 of the infant deaths occurred in the Kirkham Sub-District, 6 in Blackpool Sub-District and 2 in Fleetwood Sub-District.

	1911	1910	1909	1908	1907	1906
Birth-rate	23·1	24·9	24·3	25·2	27·0	22·2
Death-rate (corrected)..	12·0	12·4	13·7	13·7	12·5	12·0
Epidemic Death-rate ..	1·46	1·09	1·47	0·87	0·44	0·90
Phthisis ,, ..	0·34	0·33	0·34	0·43	0·97	0
Respiratory ,, ..	1·55	1·35	1·64	2·72	1·95	1·90
Rate of deaths under 1 year to 1,000 births ..	82	87	71	111	75	117

SECTION II.

EPIDEMIC DISEASES.

During the year there have been 103 cases notified of Epidemic Diseases, 11 more than last year, when the number was 92. These notifications consist of 60 of Scarlet Fever, 28 of Diphtheria, 7 of Typhoid Fever and 8 of Erysipelas.

The following summary gives the notifications of Epidemic Diseases during the past five years :—

	1911	1910	1909	1908	1907
Scarlet Fever	60	59	82	39	12
Typhoid Fever ...	7	12	14	14	6
Diphtheria	28	20	58	18	14
Erysipelas	8	1	3	2	0
Puerperal Fever ...	0	0	0	2	0
Cholera	0	0	0	0	1
	103	92	157	75	33

The following table gives the months and the districts in which the Epidemic Diseases occurred :—

Jan.	Scarlet Fever—Freckleton 6, Hardhorn 1 Typhoid ,, —Nil Diphtheria —Nil Erysipelas —Nil	7
Feb.	Scarlet Fever—Freckleton 3 Typhoid ,, —Nil Diphtheria —Nil Erysipelas —Nil	3
Mar.	Scarlet Fever—Wesham 1 Typhoid ,, —Freckleton 1 Diphtheria —Warton 1, Elswick 1, Freckleton 2 Erysipelas —Nil	6
April	Scarlet Fever—Freckleton 1, Thistleton 3 Typhoid ,, —Marton 1 Diphtheria —Clifton 2, Wesham 2 Erysipelas —Wesham 2	11
May	Scarlet Fever—Freckleton 3 Typhoid ,, —Nil Diphtheria —Freckleton 1 Erysipelas —Nil	4
June	Scarlet Fever—Freckleton 3, Carleton 3 Typhoid ,, —Nil Diphtheria —Greenhalgh 1, Ballam 1, Newton 1, Freckleton 1 Erysipelas —Nil	10
July	Scarlet Fever—Freckleton 2 Typhoid ,, —Nil Diphtheria —Medlar 4, Westby 1, Salwick 1 Erysipelas —Nil	8
Aug.	Scarlet Fever—Thistleton 1, Newton 1 Typhoid ,, —Wesham 3 Diphtheria —Marton 1 Erysipelas —Newton 1	7

Sept.	Scarlet Fever	—Freckleton 4, Marton 2, Greenhalgh 2, Moss Side 1	17
	Typhoid ,,	—Hardhorn 1, Wesham 1	
	Diphtheria	—Wesham 2	
	Erysipelas	—Wesham 2, Newton 1, Staining 1	
Oct.	Scarlet Fever	—Freckleton 3, Wesham 1, Thistleton 2, Singleton 1, Marton 1, Newton 2	11
	Typhoid ,,	—Nil	
	Diphtheria	—Little Eccleston 1	
	Erysipelas	—Nil	
Nov.	Scarlet Fever	—Wesham 1, Thistleton 1, Newton 1, Moss Side 1	8
	Typhoid ,,	—Nil	
	Diphtheria	—Marton 2, Moss Side 1	
	Erysipelas	—Wesham 1	
Dec.	Scarlet Fever	—Wesham 4, Newton 2, Greenhalgh 2, Little Eccleston 1	11
	Typhoid ,,	—Nil	
	Diphtheria	—Newton 1, Marton 1	
	Erysipelas	—Nil	
			103

SCARLET FEVER.

Cases 60. Deaths 0.

The largest number of cases occurred in Freckleton, viz.: 25. These were no doubt a continuation of the Epidemic which prevailed in the latter part of 1910. During the year the disease has been present in every month with the exceptions of March and August, until the end of October, since when there have been no more cases. The next largest number of cases occurred in Greenhalgh-with-Thistleton, viz.: 11; three of these occurred in April. The source of infection of the first case could not be discovered, the other two being infected from the first. The other eight cases were evidently sporadic, as owing to the situation of their homes and the intervals of time between the outbreak it was impossible for there to be any direct infection. In Medlar-with-Wesham 7 cases occurred, the first was notified in March, the patient having been in the district only two days; the second case occurred in October; the next a month afterwards; then there were 4 cases in December in two adjoining houses. In Newton-with-Scales 6 cases, one in August; two in October; one in November; and two in December. In Carleton 3

cases, all occurred at the same time in neighbouring houses, the cause could not be discovered. In Marton 3 cases, all in one house, to these cases the same remarks apply. At Moss Side 2 cases, these were Nurses at the Joint Isolation Hospital. The remaining cases, 1 each in Hardhorn, Singleton and Little Eccleston, were all sporadic.

DIPHTHERIA.

Cases 28. Deaths 1.

Of this disease the largest number of cases occurred in Wesham, viz. : 8. The first two were due to defective drainage ; the others, for which no cause could be assigned, were of a very slight nature. In Clifton-with-Salwick 3 cases, all due to defective drainage. In Westby-with-Plumptons 2 cases, due to defective drainage. In Newton-with-Scales 2 cases, one of which was due to defective drains. In Greenhalgh-with-Thistleton 1 case, due to defective drains. In Freckleton 4 cases, all slight, no cause could be discovered. In Marton 4 cases, two were most probably due to an offensive ditch in the neighbourhood, one of them terminated fatally, the other two cases were slight and no cause could be assigned. Of the remaining 4 cases, one each occurred in Warton, Elswick, Little Eccleston and Moss Side Isolation Hospital. The Warton case was in an old badly-ventilated house ; the Elswick and Little Eccleston cases were only slight ; and the Hospital case was a Nurse.

TYPHOID FEVER.

Cases 7. Deaths 1.

In Wesham 4 cases were notified as Typhoid Fever and conveyed to the Isolation Hospital, but after close observation and having the Widal reaction taken, they were found to be free from this disease. The case in Freckleton no cause could be discovered as to the origin, the patient having been a pilot and moving about from place to place. In Marton 1 case, due to defective drains. In Hardhorn 1 case, which terminated fatally.

BACTERIOLOGICAL EXAMINATIONS.

Five specimens were forwarded to the Public Health Laboratory, Manchester, for bacteriological examination, viz. : 4 Typhoid Fever and 1 Diphtheria. In each of the Typhoid specimens the blood did not give the Typhoid reaction, and examination of the Diphtheria specimen did not reveal the Diphtheria bacilli.

ACUTE POLIOMYELITIS.

Six cases of this disease occurred at Elswick and Larbreck, between August 17th and November 6th, 1911. The patients were attended by Drs. T. and R. Fisher, of Great Eccleston. The first case, B.B., aged 30, residing at Elswick, became ill on August 17th, and presented the following symptoms: facial paralysis, diplopia and malaise. The next case was a child, W.C., of Larbreck, had only attended school for 10 days, when on August 27th he became ill, complaining chiefly of malaise ; the right leg was affected. The next three cases occurred in one house, three out of four children being affected : the eldest, E.G., 6 years and 9 months old, had been suffering from chorea for 12 months, she became ill on September 26th, complaining of malaise, temperature 102 degrees, pulse 109, no nasal discharge, bowels constipated ; the deltoid muscles were chiefly affected so that the arms could not be raised. J.G., 2½ years, date of onset September 26th ; in this case after the usual symptoms of malaise both legs became affected, muscles flaccid, retraction of head. A.G., aged 1½ ; in this case the left leg was mainly affected but right leg weak. The next case, W.W., aged 2 years and 10 months, had retraction of head.

The first case seems doubtful, pointing to cerebral trouble rather than spinal. The second case seems to have been a mild one. The next three cases are very distinct, all occurring in one house, although another child in the same house has not been affected. The next case resident within 100 yards from the above, seems to be also a typical case, but

as there has been no communication between these families, and the interval between the onset of the last case from the others has been a month, it is difficult to account for any connection between them.

In all of these cases the water supply is the same, viz.: the Fylde Water Board, but there can be nothing in this as practically the whole of the Fylde District is supplied by it. The houses where these patients reside are old and being farms there may be some question as to contamination by moisture in the yards. There is very little motor traffic, so the idea of dust may be dispensed with so far. From two cases I have seen in other districts, cases of paralysis of the lower limbs, at the ages of 3 to 5 years, it appears almost as if this disease was present in the autumn of 1910, although each was the only child affected in families of several children.

PHTHISIS (Pulmonary Tuberculosis).

Two cases of this disease were notified to me during the year, under the Public Health (Tuberculosis) Regulations. On the 16th November, 1911, the Local Government Board issued a further Order, operative from the 1st January, 1912, by which every Medical Practitioner is required to notify to the Medical Officer of Health every case of Pulmonary Tuberculosis occurring in the course either of his public or private practice.

SMALL-POX—VACCINATION.

No case of Small-pox occurred. Since the Vaccination Act, 1907, there has been a great increase in the number of exemptions as will be seen from the following statement relating to the Kirkham Registration District :—

Year	Births	Successful Vaccinations	Exemption	Died Unvaccinated
1907	287	217	8	28
1908	251	174	31	27
1909	277	183	46	20
1910	268	167	60	25
1911	253	161	60	—

The balance of these totals is accounted for by removals, insusceptibility, &c. The position revealed by these figures is deplorable, showing the numbers of unprotected people in the community, and in some year sooner or later a heavy price will have to be paid for this present condition.

School Closure on account of Infectious Diseases.—Owing to the prevalence of Epidemic Diseases the following Schools have had to be closed for varying periods in the several townships :—

In Jan.—Newton-with-Scales.....	2	weeks for Measles.
,, Jan.—Marton Moss.....	2	,, ,,
,, June—Marton Moss (Infant Dept.)	2	weeks for Whooping Cough.
,, July—Marton Moss Senior Dept.)	2	,, ,,
,, Sept.—Weeton	4	,, ,,
,, Nov.—Newton-with-Scales	2	weeks for Scarlet Fever.
,, Dec.—Esprick	4	weeks for Whooping Cough.

In all the above instances the Inspector disinfected the Schools, and all precautions were taken to prevent spreading the diseases.

Disinfection.—Eighty houses were disinfected after the occurrence of Infectious Diseases, viz :—54 following cases of Scarlet Fever, 7 after Typhoid Fever and 19 after Diphtheria. Articles of clothing, &c., disinfected, numbered 941.

INFECTIOUS HOSPITALS.

Two in number, one at Moss Side, the Fylde Joint Isolation Hospital; the other, the Small-pox Hospital at Elswick, a Joint Hospital for the Preston, Garstang and the Fylde Unions.

Moss Side Joint Hospital.—There have been admitted during the year 253 cases of Infectious Diseases, viz : 40 more than last year. The cases treated consist of 195 of Scarlet Fever, 38 of Diphtheria and 20 of Typhoid Fever. Of the total number of cases treated there have been 9 deaths—

4 from Scarlet Fever, 3 from Diphtheria and 2 from Typhoid Fever. From the Fylde Rural Area 73 cases were admitted during 1911, viz.: Scarlet Fever 51, Diphtheria 17 and Typhoid Fever 5. All these recovered.

SECTION III.

GENERAL WORK.

The Chief Occupations of the inhabitants are in Wesham and Freckleton in the cotton mills, and agricultural in the smaller and more sparsely populated districts.

House Accommodation.—Generally, the houses are of a good-class character, with ample space in the rear. All new buildings are erected under the supervision of the Surveyor and the Building Inspector. Two breaches of the Building Bye-laws were reported during the year. Twenty-two new houses were erected and passed for human habitation.

Houses Condemned.—Four dwelling-houses were condemned as unfit for human habitation. In respect of these—one each at Moss Side, Weeton and Wesham—closing orders were made, and in the other case a farm at Little Marton, the defects were to a certain extent remedied, but a new house has to be built in the Spring.

Water Supply.—This is mainly obtained from the Fylde Water Board, and is generally satisfactory, although we have complaints as to its turbid condition near the terminals. In other districts which are not supplied by the Fylde Water Board, the supply is obtained from wells, and in a few instances by stored roof water. Complaints have been made as to the want of a satisfactory supply to cottages at Greenhalgh, and also to Treales and Wharles.

Cowsheds.—On the whole these premises are well kept.

Bakehouses, Slaughter-houses & Lodging-houses.—Bakehouses and Slaughter-houses are usually conducted in a

satisfactory manner and during the year no serious cause of complaint has arisen. There are no Common Lodging-houses in the district.

Milk Supply.—I have no reason to doubt the wholesomeness of the milk produced in the district.

Schools.—The Sanitary condition of the Schools, on the whole is good, one School has been re-drained during the year.

Sewerage and Drainage.—The following townships: Wesham, Freckleton, Warton (part), Wrea Green, Singleton and Carleton, in their most populous parts are drained and sewered. In the other out-lying districts the sewage is conveyed into cesspools. In reference to that part of Carleton near Bispham Station, to which reference was made in my Report of last year, further complaints have been made, but this matter has now been referred to the Parochial Committee, who have carefully considered the matter, and I am now informed are now prepared to extend the sewer up to this part. This when done should remove all cause of complaint. Sewer extension has taken place at Freckleton along Warton Road, to enable the drains of new houses to be coupled up. At Newton the drainage has been improved. At Marton two new schemes have been under discussion; existing storm-water drains are now being trapped with a view to diminishing or preventing nuisance, and several open ditches have been piped and filled up. Other matters dealt with during the year include the cleansing of a ditch at Fecitt Farm, Hardhorn; a stagnant pool at Bispham; overflow of sewage into a ditch from twelve houses at Marton, &c.

Pollution of Rivers and Streams.—Very little pollution takes place; no main rivers run through the district. During the dry summer many occupiers took the opportuuity of cleansing the ditches running through their land.

Excrement Disposal.—In Wesham and Freckleton, scavenging is carried out by contract, elsewhere the householders are responsible for this work.

Closet Accommodation.—There are approximately in the district: 1,901 privy middens, 99 pail closets, 484 fresh water closets, and 16 waste water closets. During the year, 16 privy middens were abolished, 11 water closets and 5 pail closets being substituted.

Offensive Trades.—The only places of this class are two tripe-boilers premises and these are satisfactory.

Highways.—Many miles of roads have been tar-sprayed to minimise the dust nuisance. The Highways Committee have spent a considerable sum of money in mechanical appliances, with a view to permanently abating the dust nuisance and improving the roads in general.

Anthrax.—In June a suspected case of Anthrax was reported at a farm at Little Marton, and the usual precautionary measures were promptly taken.

Food and Drugs Act.—3 Samples of Milk and 2 of Whiskey were taken. No prosecutions.

FACTORY AND WORKSHOPS ACT.

Factories—Number of Inspections	4
Workshops ,, ,, ...	14
Defects found	1
Reported by other authorities	Nil.

In conclusion,

I remain, yours obediently,

CHARLES COURT.

TABLE I.—*VITAL STATISTICS OF WHOLE DISTRICT during 1911 and previous years.*

Year	Population estimated to middle of each year	Births			Total Deaths Registered in the District		Transferable Deaths		Nett Deaths belonging to the District			
			Nett.						Under One Year of Age		At all Ages	
		Un-corrected Number	Number	Rate	Number	Rate	of Non-residents registered in the District	of Resi-dents not registered in the District	Number	Rate per 1,000 Nett Births	Number	Rate
1	2	3	4	5	6	7	8	9	10	11	12	13
1906	11,045	246	—	22·2	141	12·7	11	3	29	117	133	12·0
1907	11,258	304	—	27·0	167	14·8	28	2	23	75	141	12·5
1908	11,388	287	—	25·2	212	18·6	58	3	32	111	157	13·7
1909	11,550	281	—	24·3	212	18·3	57	4	20	71	159	13·7
1910	11,842	296	—	24·9	223	18·8	79	2	26	87	147	12·4
1911	11,577	299	268	23·1	217	18·7	87	10	22	82	140	12·0

Area of District in acres (exclusive of area covered by water)..... 38,768

Total population at all ages..... 11,577
Number of inhabited houses 2,420
Average number of persons per house .. 4·7
} At Census of 1911.

TABLE II.—*CASES OF INFECTIOUS DISEASE notified during the year 1911.*

Notifiable Disease	Number of Cases Notified								Total Cases Notified in each Locality				Total Cases Removed to Hospital
	At all Ages	At Ages—Years											
		Under 1	1 to 5	5 to 15	15 to 25	25 to 45	45 to 65	65 & upwards	Fleetwood Sub-District	Blackpool Sub-District	Kirkham Sub-District	Lytham Sub-District	
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria (including Membranous Croup)	28	..	3	17	4	3	1	..	2	4	22	..	17
Erysipelas	8	..	..	..	2	..	2	4	..	1	7	..	..
Scarlet Fever	60	..	18	28	10	4	..	..	5	4	51	..	51
Typhus Fever	..	..	..	..	..	..	..	..	..	..	..	..	..
Enteric Fever	7	..	..	..	2	1	2	2	..	2	5	..	5
Relapsing Fever	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever	..	..	..	..	..	..	..	..	..	..	..	..	..
Puerperal Fever	..	..	..	..	..	..	..	..	..	..	..	..	..
Plague	..	..	..	..	..	..	..	..	..	..	..	..	..
Phthisis: Under Tuberculosis Regulations, 1908	..	..	..	..	..	..	..	..	..	..	..	..	..
Phthisis: Under Tuberculosis Regulations, 1911	..	..	..	..	..	..	..	..	..	..	..	..	..
Phthisis: Others	..	..	..	..	..	..	..	..	..	..	..	..	..
Totals	103	..	21	45	18	8	5	6	7	11	85	..	73

Isolation Hospital—Fylde Joint Hospital. Total available beds and cots, 50. Number of Diseases that can be concurrently treated—Scarlet Fever, Typhoid Fever and Diphtheria.

TABLE III.—*CAUSES OF, AND AGES AT, DEATH during the year 1911.*

Causes of Death	Nett Deaths at the subjoined ages of "Residents" whether occurring within or without the District									Total Deaths whether of Residents or Non-Residents in Institutions in the District
	All Ages	Under 1 year	1 and under 2	2 and under 5	5 and under 15	15 and under 25	25 and under 45	45 and under 65	65 and upwards	
1	2	3	4	5	6	7	8	9	10	11
All Causes Certified	134	21	6	3	7	7	14	39	37	..
All Causes Uncertified	6	1	..	..	1	..	1	2	1	..
Enteric Fever	1	..	..	..	..	1	..	..	..	2
Small-pox	..	..	..	..	..	..	..	..	..	..
Measles	2	..	1	..	1	..	..	..	..	2
Scarlet Fever	..	..	..	..	..	..	..	..	..	4
Whooping Cough	4	3	1	..	..	..	..	..	..	..
Diphtheria and Croup	1	..	..	..	1	..	..	..	..	2
Influenza	..	..	..	..	..	..	..	..	..	1
Erysipelas	1	..	..	..	..	..	..	1	..	1
Cerebro-Spinal Fever	..	..	..	..	..	..	..	..	..	..
Phthisis (Pulmonary Tuberculosis)	4	..	..	..	..	2	2	..	..	9
Tuberculous Meningitis	1	..	..	1	..	..	..	..	..	1
Other Tuberculous Diseases	4	1	..	1	..	1	..	1	..	2
Rheumatic Fever	1	..	..	..	1	..	..	..	..	..
Cancer, Malignant Disease	14	..	..	..	..	..	..	10	4	4
Bronchitis	8	..	1	..	..	.	..	1	6	1
Broncho-Pneumonia	1	..	..	1	..	..	..	..	..	..
Pneumonia (all other forms)	9	2	..	..	1	..	1	4	1	2
Other Diseases of Respiratory Organs	1	..	..	..	..	..	..	..	1	2
Diarrhœa and Enteritis	9	6	1	..	..	..	..	1	1	..
Appendicitis and Typhlitis	1	..	..	..	1	..	..	..	..	..
Alcoholism	..	..	..	..	..	..	..	..	..	..
Cirrhosis of Liver	2	..	..	..	..	..	..	2	..	2
Nephritis and Bright's Disease	..	..	..	..	..	..	..	..	..	6
Puerperal Fever	..	..	..	..	..	..	..	..	..	..
Other Accidents and Diseases of Pregnancy and Parturition	1	..	..	..	..	..	1	..	..	2
Congenital Debility and Malformation, including Premature Birth	8	8	..	..	..	..	..	..	..	2
Violent Deaths, excluding Suicide	4	..	..	..	..	..	2	2	..	..
Suicides	..	..	..	..	..	..	..	..	..	..
Other Defined Diseases	57	2	1	..	2	3	8	17	24	45
Diseases ill-defined or unknown	6	..	1	..	1	..	1	2	1	..
	140	22	6	3	8	7	15	41	38	90

TABLE IV.—*INFANT MORTALITY, 1911.*

Nett Deaths from stated causes at various Ages under 1 Year.

Cause of Death	Under 1 Week	1-2 Weeks	2-3 Weeks	3-4 Weeks	Total under 1 Month	1-3 Months	3-6 Months	6-9 Months	9-12 Months	Total Deaths under 1 Year
All Causes { Certified	6	1	2	1	10	4	4	1	2	21
All Causes { Uncertified	..	..	..	..	..	..	..	..	1	1
Small-pox	..	..	..	..	..	..	..	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..
Scarlet Fever	..	..	..	..	..	..	..	..	..	..
Diphtheria and Croup	..	..	..	..	..	..	..	..	..	..
Whooping Cough	..	..	..	..	..	2	..	..	1	3
Diarrhœa	..	..	..	1	1	2	2	..	1	6
Enteritis	..	..	..	..	..	..	..	..	..	..
Tuberculous Meningitis	..	..	..	..	..	..	..	..	..	..
Abdominal Tuberculosis	..	..	..	..	..	..	..	..	..	..
Other Tuberculous Diseases ..	..	..	..	..	..	..	..	1	..	1
Congenital Malformations ..	..	..	..	..	..	..	..	..	..	..
Premature Birth	2	..	..	..	2	..	..	..	..	2
Atrophy, Debility and Marasmus ..	3	1	2	..	6	..	..	..	..	6
Atelectasis	..	..	..	..	..	..	..	..	..	..
Injury at Birth	..	..	..	..	..	..	..	..	..	..
Erysipelas	..	..	..	..	..	..	..	..	..	..
Syphilis	..	..	..	..	..	..	..	..	..	..
Rickets	..	..	..	..	..	..	..	..	..	..
Meningitis (*not Tuberculous*) ..	..	..	..	..	..	..	..	..	..	..
Convulsions	1	..	..	..	1	..	1	..	..	2
Gastritis	..	..	..	..	..	..	..	..	..	..
Laryngitis	..	..	..	..	..	..	..	..	..	..
Bronchitis	..	..	..	..	..	..	..	..	..	..
Pneumonia (all forms)	..	..	..	..	..	..	1	..	1	2
Suffocation, overlaying	..	..	..	..	..	..	..	..	..	..
Other Causes	..	..	..	..	..	..	..	..	..	..
	6	1	2	1	10	4	4	1	3	22

Nett Births in the year { legitimate .. 261, illegitimate .. 7 } 268

Nett Deaths in the year of { legitimate infants.... 21, illegitimate infants .. 1 } 22

FYLDE RURAL DISTRICT COUNCIL.

To the Chairman and Members of the Fylde Rural District Council.

GENTLEMEN,

I have again the honour of presenting to you the Annual Return and Summary of work done within your district for the year ending 31st December, 1911, this being my Twenty-second Annual Report.

PUBLIC HEALTH ACT.

Total number of Preliminary Notices	72
Total number of Legal Notices	16
Special Reports	8
New drains put in for waste and refuse water	15
Existing drains opened, cleaned and rectified...	15
Offensive ashpits remedied...	4
Offensive privies converted into water-closets	11
Offensive privies converted into pail-closets ...	5
Defective water-closets remedied	4
New ashbins provided...	2
Privies and ashpits cleaned under notice... ...	46
Sink and other pipes altered and improved ...	2
Nuisances arising from stagnant sewage abated	1
Sewage tanks constructed	2
Sewage tanks emptied	11
Farmyards drained	1
Cellar drains improved	2
Nuisances caused by sewage on side of highway	1
Nuisances caused by pigs abated	2
Fowls and pigeons removed from backyards ...	16
Water-courses cleaned	1

Schools re-drained	1
Backyards improved	6
Buildings trespassing on air spaces removed...	1
Old drains tested with smoke test	15
New drains tested with smoke test	20
Total number of Inspections made	1266

SLAUGHTER-HOUSES.

These have on the whole been well kept. No carcase of a suspicious nature has been found on any of the different premises.

BAKEHOUSES.

These have, as usual, been well kept, and generally reflect great credit on the occupiers.

SEWERS.

At the commencement of the year the sewer at Freckleton was extended along the Warton Road to take in the drainage of some new houses in the course of erection.

WATER-COURSES.

This year it has not been found necessary to serve many Notices for this work as during the dry spell of weather many occupiers took the opportunity of having their respective lengths cleaned.

INFECTIOUS DISEASES.

Number of cases inquired into by Inspector ...	92
Number of houses disinfected after Scarlet Fever	54
,, ,, Typhoid ...	7
,, ,, Diphtheria...	19
Articles of clothing disinfected	941

LEGAL PROCEEDINGS.

No legal proceedings have been taken during the year.

PUBLIC HEALTH (WATER) ACT.

Supplies submitted to M.O.H. for examination...	2
Houses where supplies have been improved ...	4
Houses where supplies have been improved by new well	2
Houses where supples have been improved by cleansing well	2

NEW HOUSES.

During the year the following new houses have been built and passed for habitation as follows:—Wesham 5, Marton 6, Carleton 5, Freckleton 4, Wrea Green 1, Weeton 1, making a total of 22, all of which are supplied with Fylde Water.

DAIRIES AND COWSHEDS.

These are on the whole well kept and no cause for complaint has arisen during the year.

BUILDING BYE-LAWS.

During the year 101 Inspections of New Buildings have been made. It has only been found necessary to report two cases of breach of the bye-laws, for putting in joists into party wall, all other breaches having been rectified on same being pointed out to the builder.

Much useful sanitary work has again been performed by different owners of property without the same having to be brought to your notice, and I take this opportunity of thanking them.

I am, Gentlemen,

Yours faithfully,

JAMES JOLLY,

Sanitary Inspector.